(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



Za JUN 2005 Dunimanananan

(10) International Publication Number WO 2004/058038 A1

(43) International Publication Date 15 July 2004 (15.07.2004)

(51) International Patent Classification⁷:

A47L 15/42,

(21) International Application Number:

PCT/TR2003/000103

(22) International Filing Date:

24 December 2003 (24.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 25 December 25 December

25 December 2002 (25.12.2002) 1

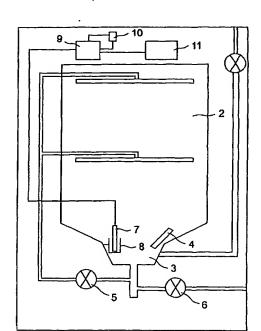
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: A DISHWASHER AND CORRESPONDING CONTROL METHOD

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(57) Abstract: This invention relates to a dishwasher (1) comprising a biosensor (7) and a control method which provides an efficient, clean and hygienic washing wherein the main water supply and washing water are microbiologically analyzed in the phases of the program, and the washing water temperature and circulation period are adjusted in each phase.

WO 2004/058038 A1



Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.





INTERNATIONAL SEARCH REPORT

national Application No

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A47L15/42 A47L15/00										
According to International Patent Classification (IPC) or to both national classification and IPC										
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Electronic d	ata base consulted during the international search (name of data ba	se and, where practical, search terms used								
EPO-Internal										
C. DOCUMENTS CONSIDERED TO BE RELEVANT										
Category •	Citation of document, with Indication, where appropriate, of the rel	evant passages	Relevant to daim No.							
X	DE 44 15 823 A (LICENTIA GMBH) 9 November 1995 (1995-11-09) column 3, line 11-18		1							
P,X	WO 03 099982 A (PROCTER & GAMBLE) 4 December 2003 (2003-12-04) the whole document page 51, paragraph 3		1							
P,X	WO 03 100153 A (PROCTER & GAMBLE) 4 December 2003 (2003-12-04) page 3, paragraph 1 page 6, last paragraph page 18, last paragraph page 19, paragraph 1; claim 12		1							
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X Furth	er documents are listed in the continuation of box C.	X Patent family members are listed in	n annex.							
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	European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340–2040, Tx. 31 651 epo ni, Fax. (+31-70) 340–3016	Ureta, R								

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national Application No

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WO 03 097782 A (PROCTER & GAMBLE) 27 November 2003 (2003-11-27) the whole document page 26, paragraph 1	1
EP 0 995 483 A (PROCTER & GAMBLE) · 26 April 2000 (2000-04-26) paragraphs '0075!,'0092!	10
	27 November 2003 (2003-11-27) the whole document page 26, paragraph 1 EP 0 995 483 A (PROCTER & GAMBLE) 26 April 2000 (2000-04-26)

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INTERNATIONAL SEARCH REPORT
Information on patent family members

national Application No

Patent document dted in search report		Publication date		Patent family member(s)		Publication date
DE 4415823	Α	09-11-1995	DE	4415823	A1	09-11-1995
WO 03099982	A	04-12-2003	MO	03099096	A1	04-12-2003
			WO	03099097	A1	04-12-2003
			MO	03099982	A1	04-12-2003
			MO	03099983	A1	04-12-2003
			MO	03096866	A2	27-11-2003
			US	2003213704	A1	20-11-2003
			US	2003213505	A1	20-11-2003
			US	2003213503	A1	20-11-2003
			US	2003216271	A1	20-11-2003
		• .	MO	03096863	A2	27-11-2003
			MO	03097782		27-11-2003
			MO	03097783	A1	27-11-2003
W0 03100153	A	04-12-2003	MO	03100153	A1	04-12-2003
			US	2003227394	A1	11-12-2003
WO 03097782	Α	27-11-2003	US	2003213503	A1	20-11-2003
			WO	03099096	A1	04-12-2003
			WO	03099097		04-12-2003
			MO	03099982	A1	04-12-2003
			WO	03099983	A1	04-12-2003
			MO	03097782		27-11-2003
			US	2003213704		20-11-2003
•			US	2003213505		20-11-2003
			US	2003216271	A1	20-11-2003
EP 0995483	A	26-04-2000	EP	0995483	A1	26-04-2000
			AU	1212800	Α	15-05-2000
			WO	0024499	Δ1	04-05-2000